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Math 6 Unit 2

Learn EveryWare

Quizzes and Tests

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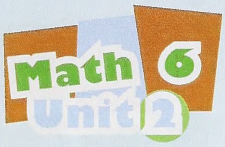

Math 6 Learn EveryWare – Unit 2 Quizzes & Tests
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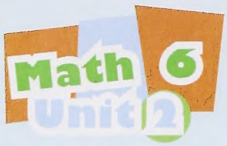

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Math 6
Unit 2

Quiz
Lesson 1

Introduction to Integers

1. What is the opposite of +6?

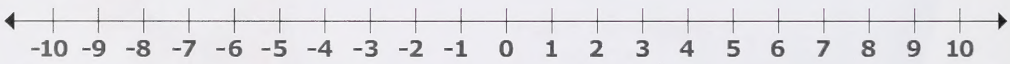
For 2 – 3: Write an integer for each situation.

2. 12 metres below sea level

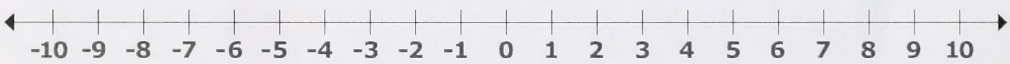
3. an increase of 18 points

For 4 – 5: Graph each set of integers on the given number line.

4. {-6, -2, 0}



5. {3, -1, -8, 7}



Math 6
Unit 2

Quiz
Lesson 2

Ordering Integers

Quiz

Lesson 2: Ordering Integers

For 1 – 3: Order the given integers from least to greatest.

1. {7, -1, 4, -4}

2. {-6, 3, -2, 0, -1}

3. {-5, -8, 4, 3, -2}

For 4 – 5: Compare the numbers using <, >, or = symbols.

4. -8 _____ -7

5. -12 _____ -16

Math 6
Unit 2

Quiz
Lesson 3

Order of Operations

Quiz
Lesson 3: Order of Operations

For 1 – 3: Simplify the expressions. Show all steps used to simplify.

1. $(2 + 7) \times 8$

2. $42 \div (3 \times 2)$

3. $3(12 - 5) + 2 \times 6 - 4 \div 2$

4. Use a calculator to find the answer. Underline the first step in the order of operations.

   $453 + 5(102 - 13) - 3 \times 12$

5. Write an expression for the problem. Simplify the expression using a calculator.

   There are 18 cans of tuna that cost $4.50 each, two loaves of bread that cost $2.25 each and six bottles of fruit juice that cost $3.45 each in the picnic supplies. How much money did the supplies cost?

Math 6
Unit 2

Quiz
Lesson 4

Writing and Simplifying Expressions

1. Jan's age is twice Chong's age plus two more. Write an expression to represent Jan's age.

2. Use your expression for number 1 to find Jan's age if Chong is 7 years old.

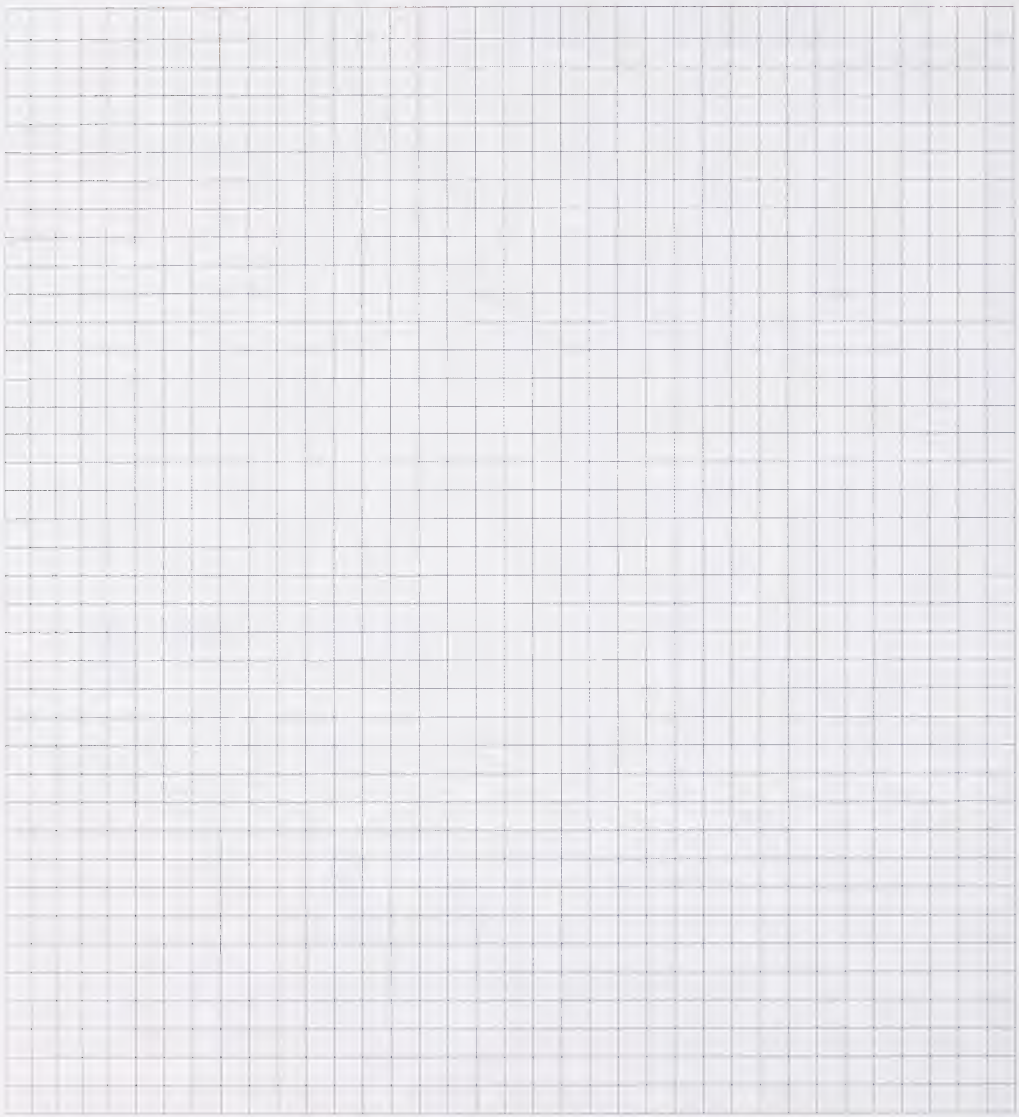
3. Evaluate $4x + 8$ for $x = 3$.

4. Complete the function table.

m	2m + 9
12	
18	
20	

5. Write a function rule for the given table.

k	
3	13
4	17
5	21
6	25
7	29
8	33



Math 6
Unit 2

Quiz
Lesson 5

Writing an Addition or Subtraction Equation

Quiz

Lesson 5: Writing an Addition or Subtraction Equation

For 1 – 5: Write an equation for the following sentences.

1. Seven less than a number equals eighteen.

2. Twenty-three more than a number is fifty-six.

3. Some number and six more is fourteen.

4. Eleven less than a number equals twenty.

5. Fourteen equals six less than some number.

Math 6

Unit 2

Quiz

Lesson 6

Solving an Addition or Subtraction Equation

Quiz

Lesson 6: Solving an Addition or Subtraction Equation

For 1 – 5: Solve the equation. Check the solution.

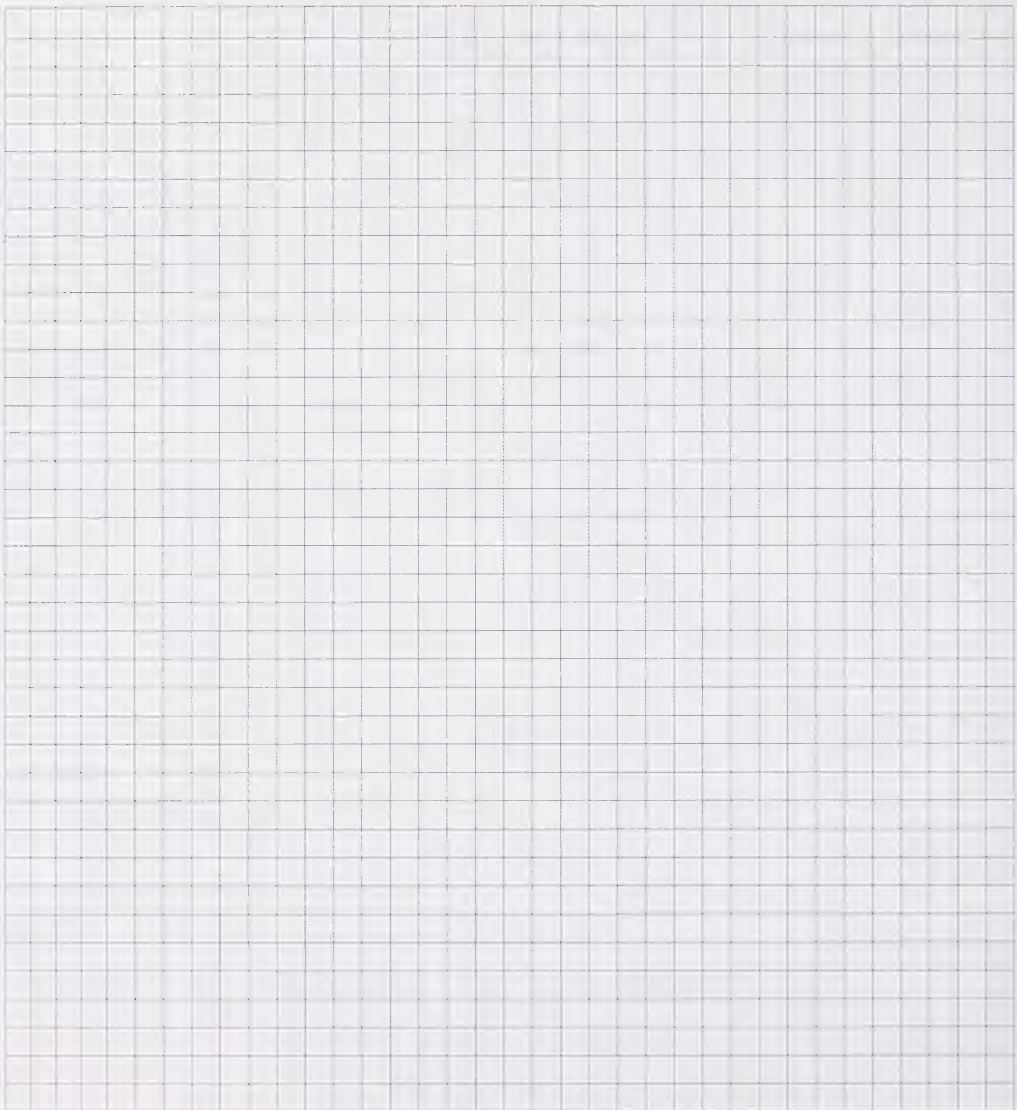
1. $y + 7 = 12$

2. $u - 8 = 15$

3. $5 + m = 18$

4. $16 = b - 4$

5. $27 = h + 15$



Math 6

Unit 2

Quiz
Lesson 7

Writing a Multiplication or Division Equation

Quiz

Lesson 7: Writing a Multiplication or Division Equation

For 1 – 5: Write an equation for the following sentences.

1. A number divided by ten is fifteen.

2. The product of a number and five is fifty.

3. The quotient of a number and seven is twenty.

4. Seven equals a number divided by six.

5. Eighteen is the product of a number and twelve.

Math 6

Unit 2

Quiz
Lesson 8

Solving a Multiplication or Division Equation

Quiz

Lesson 8: Solving a Multiplication or Division Equation

For 1 – 5: Solve the equation. Check your answer.

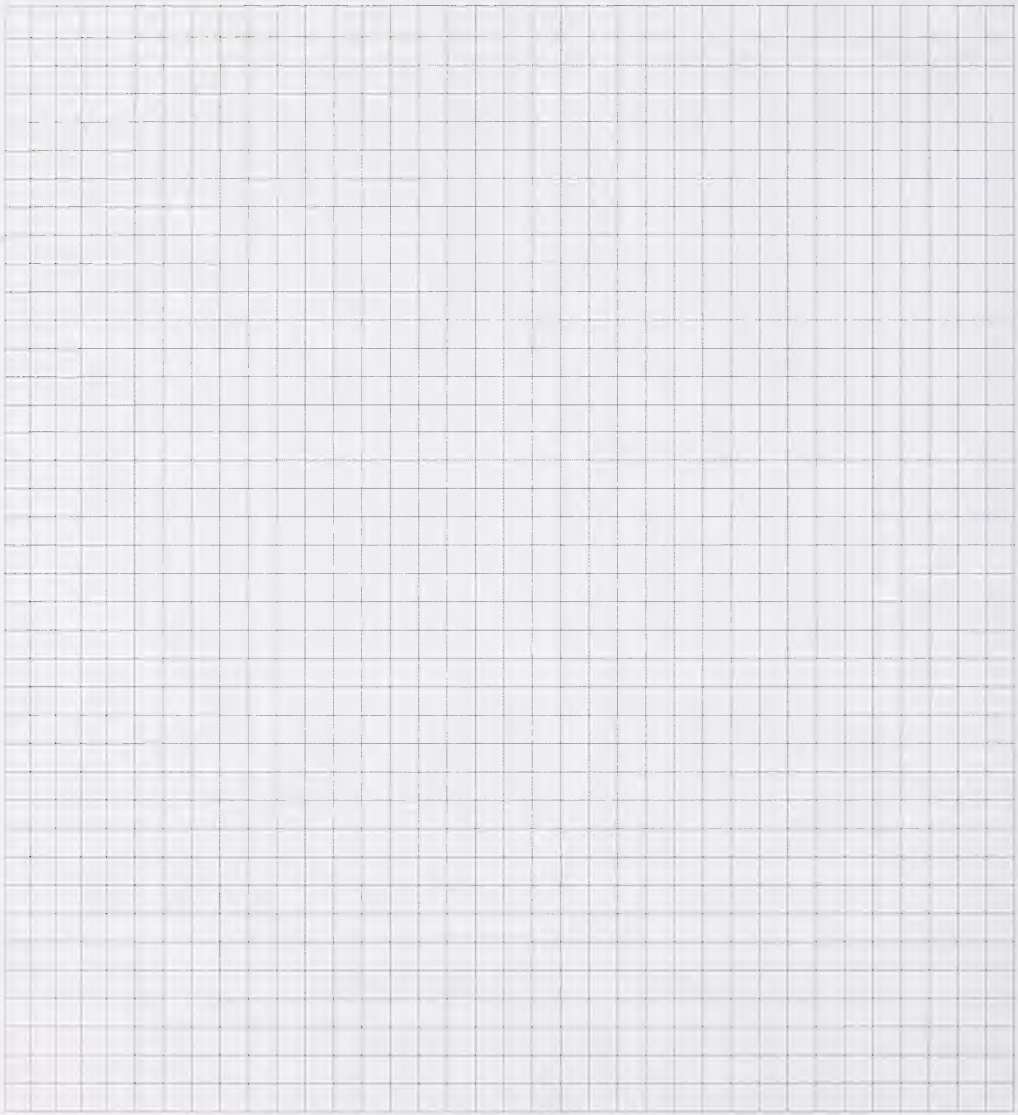
1. $\frac{a}{8} = 14$

2. $\frac{b}{7} = 54$

3. $16x = 384$

4. $6y = 72$

5. $12n = 108$



Math 6
Unit 2

Quiz
Lesson 9

Writing Equations for a Table of Values

For 1 – 2: Use the rule to find the missing values in the table.

1.

h	3h
4	
8	
12	
16	
20	

2.

p	p - 8
28	
41	
63	
95	
102	

For 3 – 4: Write a rule for the second column of the table in symbols and in words.

3.

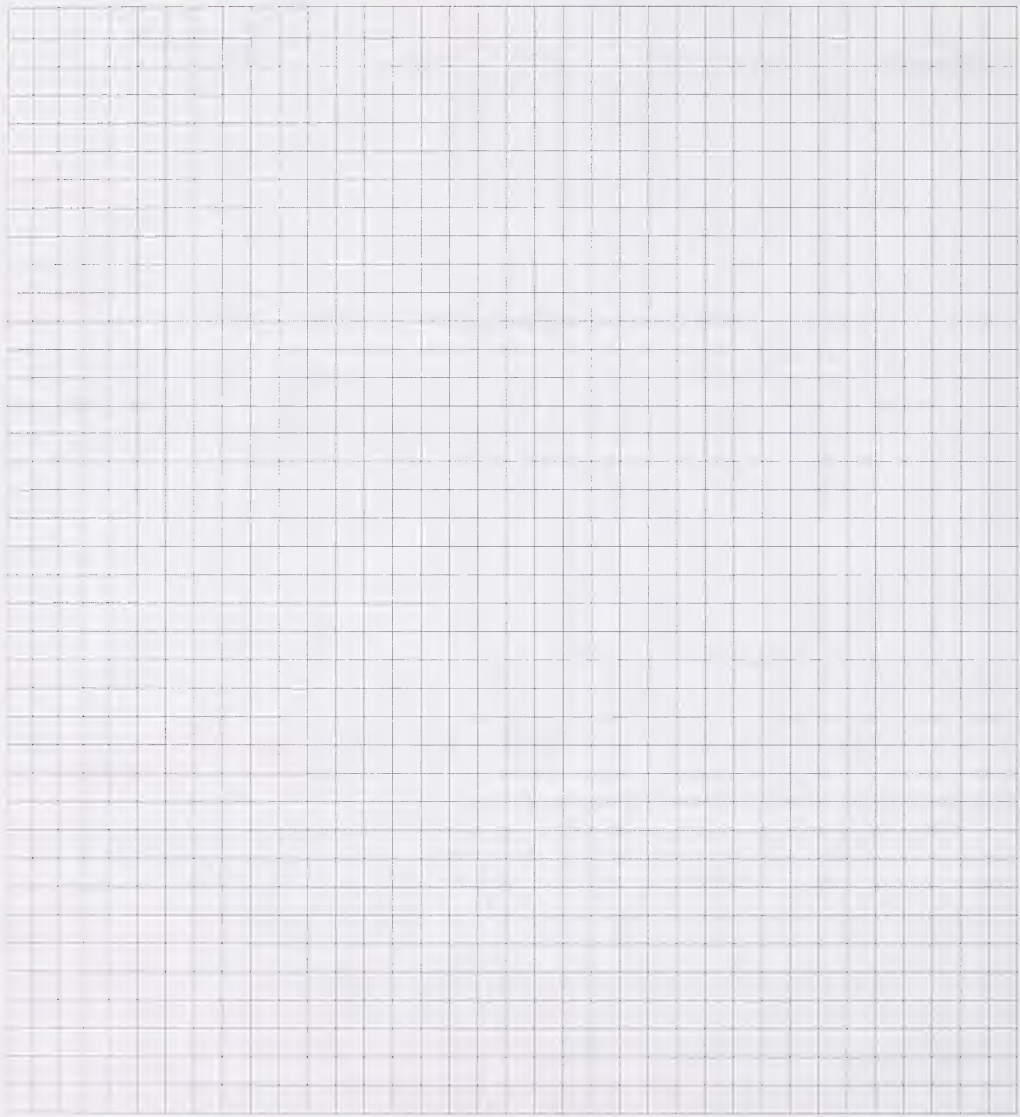
n	□
10	80
12	96
14	112
16	128
18	144

4.

d	□
46	4
55	13
63	21
95	53
102	60

For 5: Solve the problem using a table of values. Draw your table and write the answer.

5. Lian has a summer job babysitting. She earns $42 each week for taking care of her neighbour's children. After four weeks she has earned $168. How much will she have earned after eight weeks?



Math 6

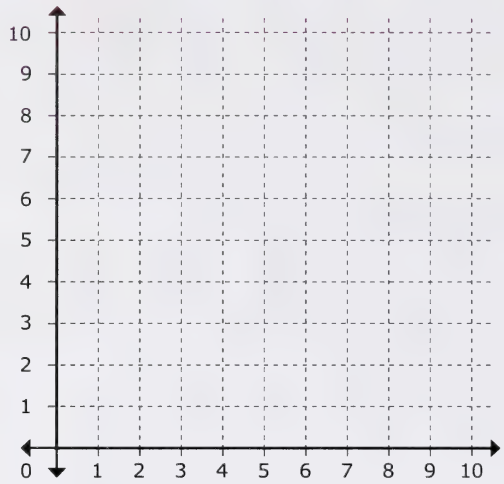
Unit 2

Quiz
Lesson 10

Graphing Points on the Coordinate Plane

For 1 – 5: Graph each ordered pair on the coordinate plane and label it with the letter name.

1. A (2, 6)
2. B (8, 1)
3. C (5, 4)
4. D (4, 5)
5. E (0, 2)



Math 6

Unit 2

Quiz

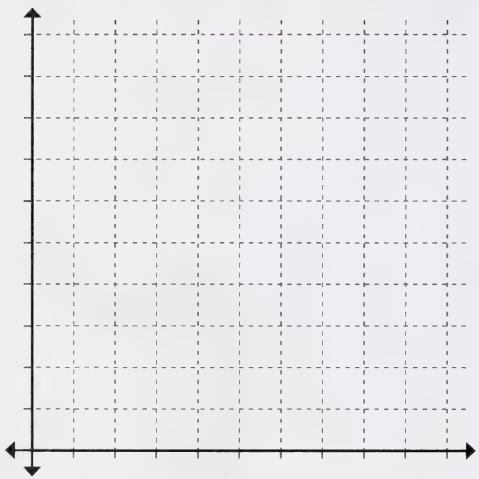
Lesson 11

Graphing Patterns

1. Create a line graph for the given data.

Cameron collected bottles each week for a recycling project at his school.

Weeks	1	2	3	4	5	6	7	8
Number of Bottles	8	10	13	19	16	15	18	17

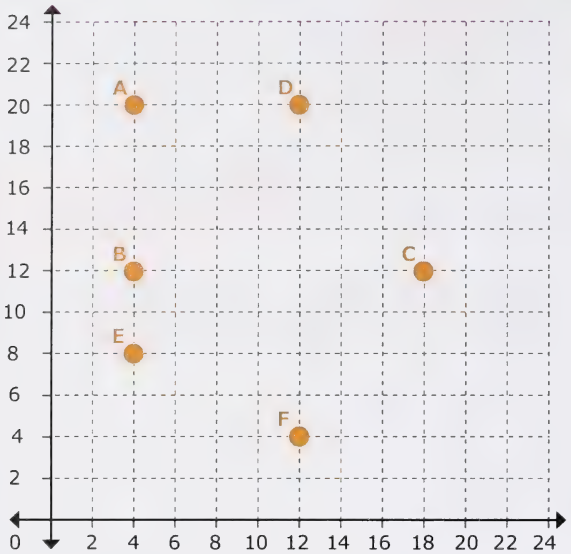


Math 6
Unit 2

Quiz
Lesson 12

Measuring Figures on a Coordinate Plane

For 1 – 4: Find the distance between the given pairs of points.



1. A and D _____

2. A and E _____

3. D and F _____

4. B and C _____

5. Name the ordered pair of a point that would complete a rectangle for points A, B, and C.

Math 6
Unit 2

Quiz
Lesson 13

Collecting Data

For 1 – 3: Name a method for collecting data to answer the given question.

1. In what months are the lowest temperatures in your city or town?

2. How many pets do most sixth graders own?

3. If you roll a die 100 times, which values occur the most?

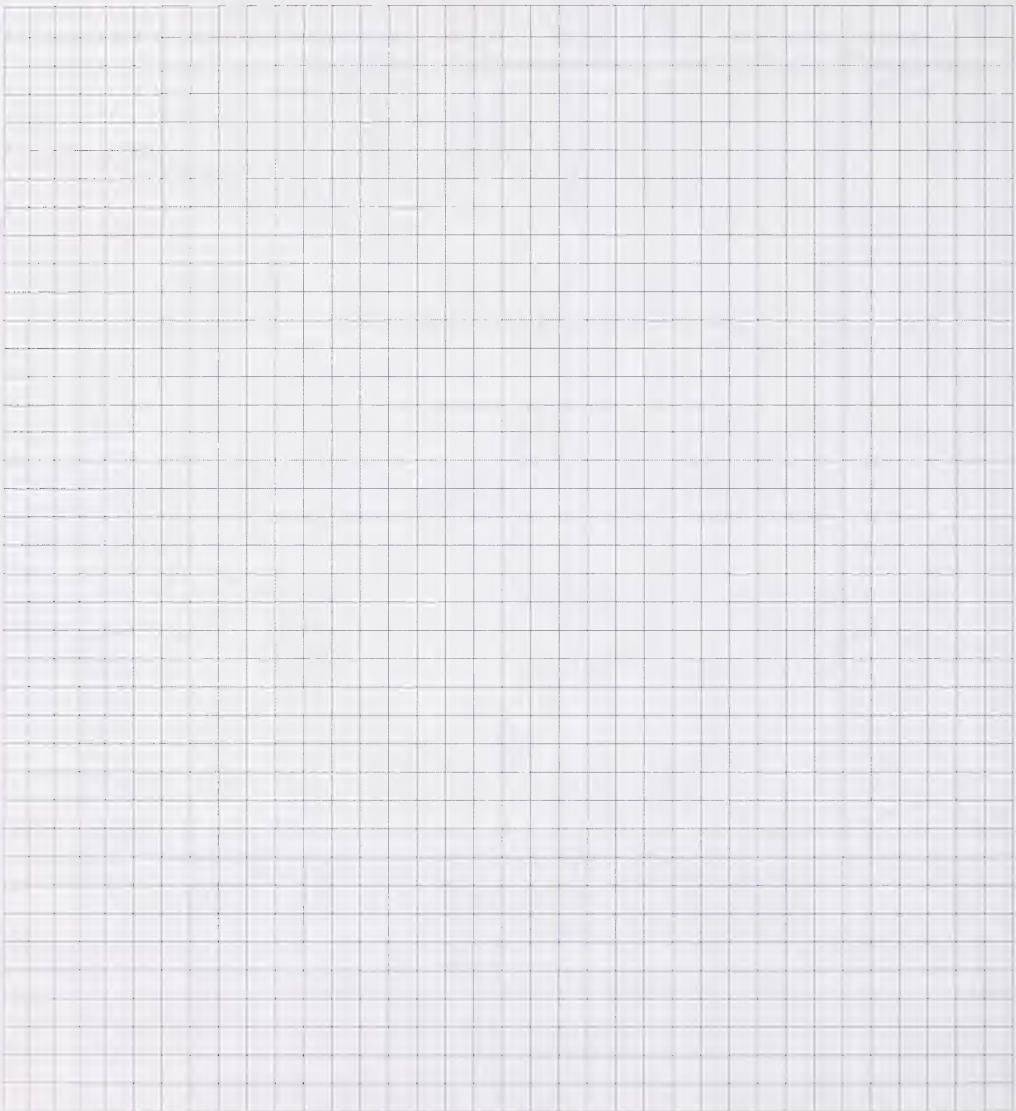
For 4 – 5: Lian went to a wildlife preserve in Alberta on her vacation. She recorded the name of each bird she saw on one day of her trip. Here are the results.

tanager	wren	horned lark	cardinal
gray partridge	tanager	wren	green heron
horned lark	wren	cardinal	tanager
wren	cardinal	wren	horned lark

4. Complete the frequency table for Lian's data.

What type of birds are you likely to see in Alberta?		
Bird	**Tally**	**Frequency**

5. Which bird did Lian see most often on her vacation?



Math 6
Unit 2

Quiz
Lesson 14

Creating a Line Graph

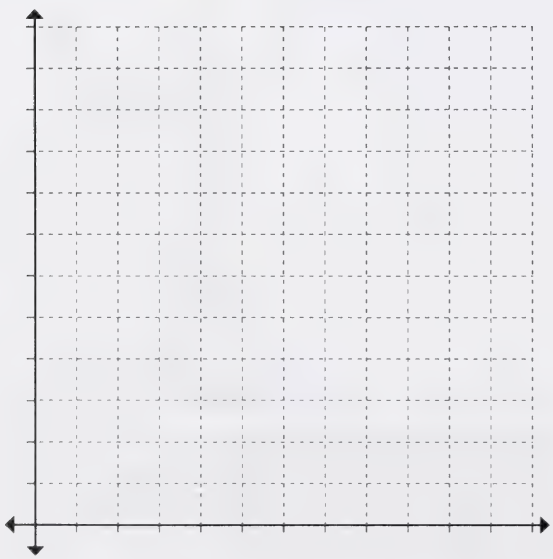
For 1 - 4: A truck is travelling across Canada for a delivery. The following is a chart of the trip.

Day	1	2	3	4	5	6
Total Distance Travelled (km)	1 161	2 467	3 173	3 947	4 654	5 446

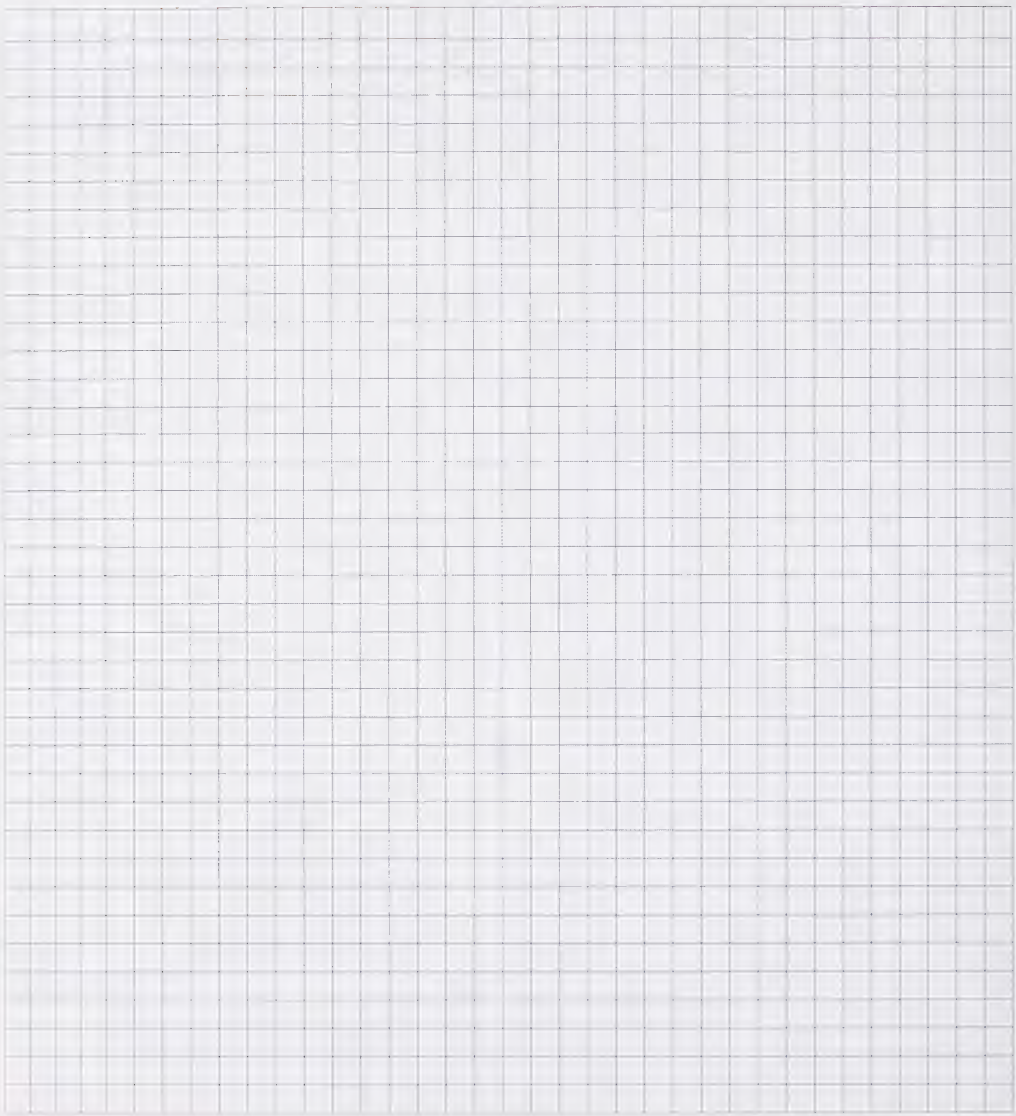
1. Is the data discrete or continuous?

2. What is a good title for the graph?

3. Graph the data.



4. Why did you choose the increment you used for the y-axis?



Math 6

Unit 2

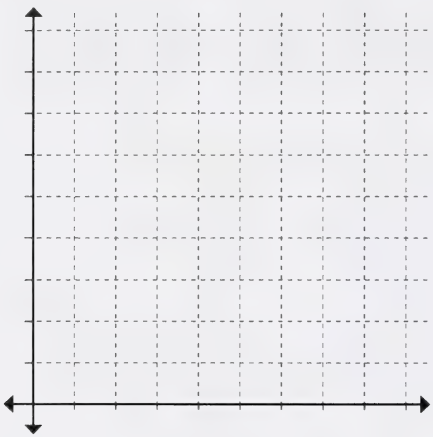
Quiz
Lesson 15

Analyzing Data

For 1 – 4: Daksha is recycling bottles for a conservation project in his community.

Weeks	1	2	3	4	5	6	7	8
Number of Bottles	5	8	10	17	13	12	15	16

1. Create a line graph of the data.

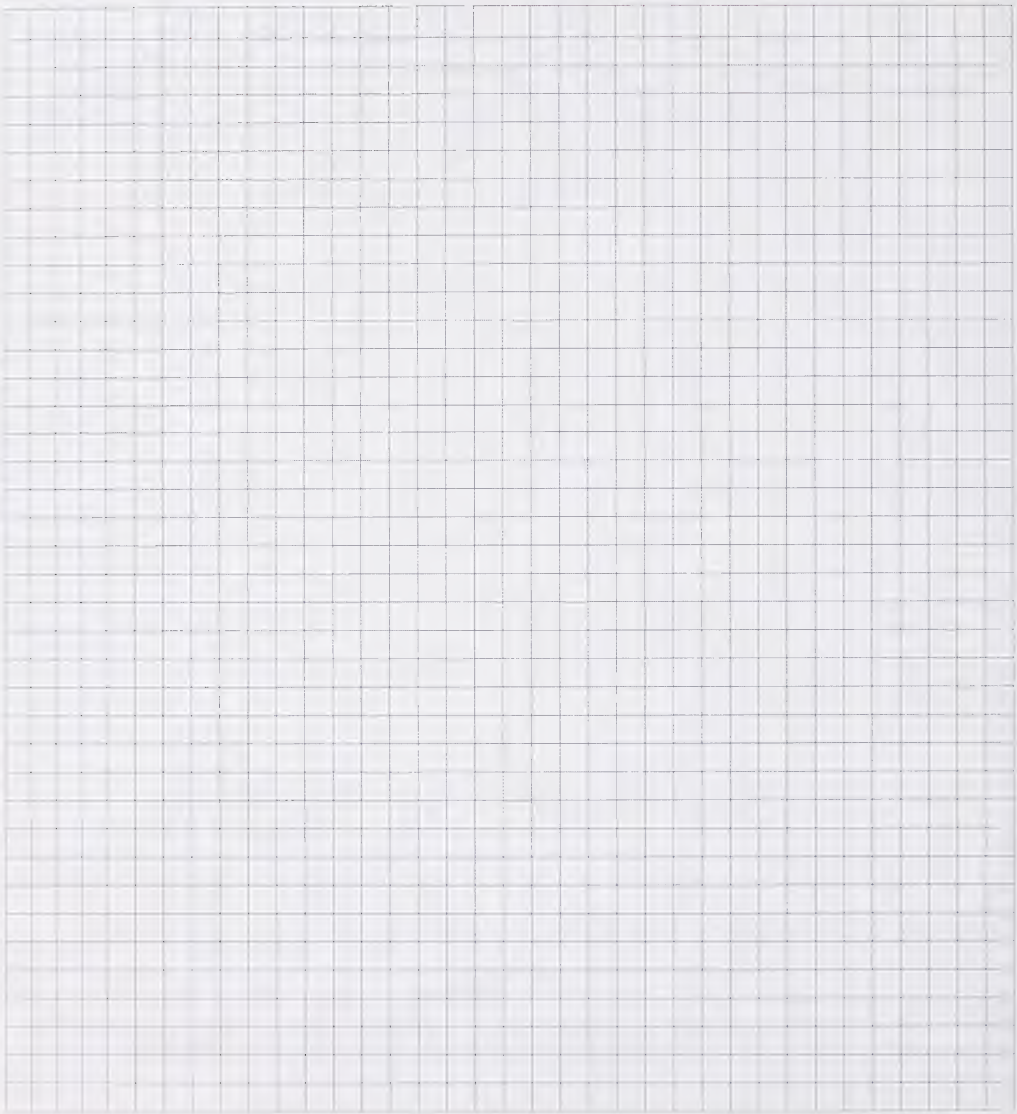


2. In which week did Daksha have the largest increase in the number of bottles collected?

3. Has Daksha increased or decreased the number of bottles collected over time?

4. In which week do you think Daksha could collect 20 bottles?

5. Explain your answer for number 4.



Math 6

Unit 2

Test

Lessons 1 - 15

1. What is the opposite of -7?

For 2 – 3: Write an integer for each situation.

2. 5 metres below sea level

3. an increase of 12 kg

4. Graph the following set of integers on the given number line: {2, -3, -7, 0, 4}

For 5 – 6: Order the given integers from least to greatest.

5. {3, -1, 6, -6}

6. {-5, 2, -2, 0, -4}

For 7 – 8: Compare the numbers using <, >, or = symbols.

7. -4 ____ -3

8. -11 ____ -15

For 9 – 10: Simplify the expressions using the order of operations. Show all steps used to simplify.

9. 56 ÷ (4 x 2)

10. 3(8 – 5) + 5 x 6 – 8 ÷ 2

For 11: Write an expression for the problem. Simplify the expression using a calculator.

11. There are 18 cans of tuna that cost $4.50 each, and two loaves of bread that cost $2.25 each. There are also six bottles of fruit juice that cost $3.45 each in the picnic supplies. How much money do the supplies cost?

12. There are twice as many grams of oats as there are grams of wheat. Write a variable expression to represent the grams of oats.

13. Evaluate $7x - 8$ for $x = 3$.

14. Complete the function table.

d	2d + 4
12	
18	
20	

15. Write a function rule for the given table.

m	☐
1	2
2	5
3	8
4	11
5	14
6	17

For 16 – 20: Write a variable equation for the sentence given.

16. Five more than some number is twelve.

17. Six less than a number equals 18.

18. Seventeen equals three less than some number.

19. A number divided by ten is twelve.

20. The product of a number and six is fifty-four.

For 21 – 26: Solve the equation. Check the solution.

21. $y + 8 = 19$

22. $u - 5 = 12$

23. $7 + m = 24$

24. $\frac{a}{8} = 5$

25. $\frac{b}{7} = 5$

26. $16x = 64$

For 27: Solve the problem using a table of values.
Draw your table and write the answer.

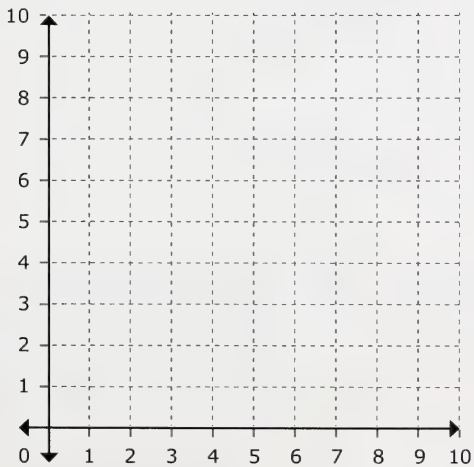
27. Cameron has a summer job at his grandfather's business. He earns $54 each week running errands and doing odd jobs. After four weeks he has earned $216. How much will he have earned after eight weeks?

For 28 – 30: Graph and label each ordered pair on the given coordinate plane.

28. A (3, 5)

29. B (2, 4)

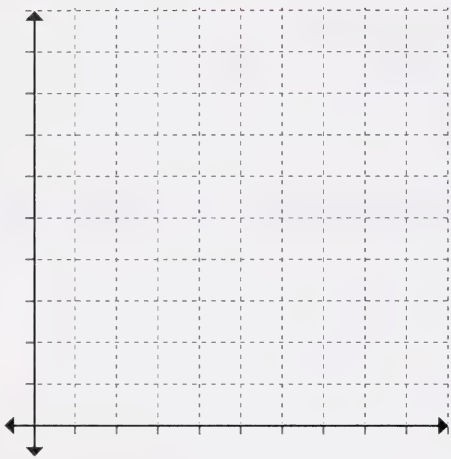
30. C (1, 8)



For 31 – 34: Use the graph you will create to answer the questions.

31. Create a line graph for the following data.

Week	1	2	3	4	5	6	7
Hours Worked	18	24	15	30	20	16	25

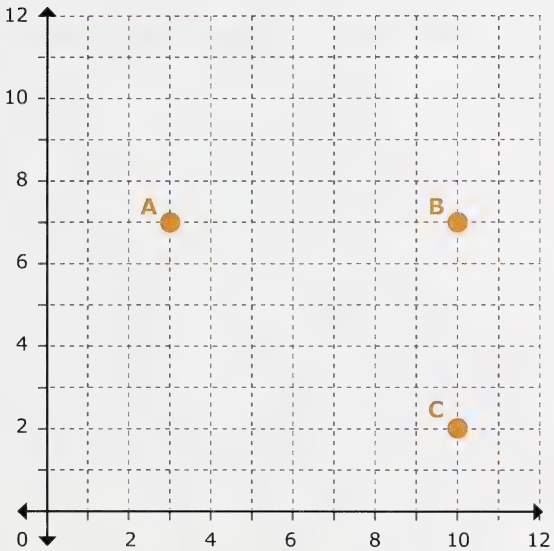


32. Is the data discrete or continuous?

33. This data records the number of hours Mrs. Winterbourne worked each week for a given period. What method could have been used to collect this data?

34. In what week did she have the largest decrease in the number of hours that she worked?

For 35 – 37:



35. Find the distance between Point A and Point B.

36. Find the distance between Point B and Point C.

37. Name the ordered pair that would complete a square with Points A, B, and C.

Sources - Quizzes and Test

Lesson 13
Page 2-32: Question 4,
http://talkaboutwildlife.ca/learn/birds/alberta.php

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